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PATENT APPLICATION



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Mitsuteru INOUE et al.

Application No.: 09/878,955

Filed: June 13, 2001

Docket No.: 109700

For: SPATIAL LIGHT MODULATOR

PRELIMINARY AMENDMENT

Director of the U.S. Patent and Trademark Office
Washington, D. C. 20231

Sir:

Prior to initial examination, please amend the above-identified application as follows:

IN THE SPECIFICATION:

Page 19, line 24 - page 20, line 16, delete current paragraph and insert therefor:

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The three-dimensional electromagnetic field analysis was carried out with respect to the conductor layer 111 shown in FIG. 7. In this analysis, a relation between a distance X (μm) from one end face of the narrow portion 111a in the width direction and magnetic field intensity H_z ($\text{Oe} = \times 79 \text{ A/m}$) in the thickness direction (Z direction) of the conductor layer 111 was obtained with respect to three positions (a), (b) and (c) in the thickness direction (Z direction) of the conductor layer 111. In this analysis, a current flowing through the conductor layer 111 was made 100 mA. Assuming the position of the bottom surface of the conductor layer 111 to be the origin, a position in the Z direction was expressed by a coordinate z which had a positive value at the upper side of the origin and a negative value at the lower side thereof. The position (a) is a position of $Z = 0.1 \mu\text{m}$, that is, the center position